BRUHAT BANGALORE MAHANAGARA PALIKE

e of work: Improvement to roads and drain at Shanimahatama Temple Back side area K G hally in ward No12 in Shettyhalli Sub division

NUMBER.:						Est. Amount =	100.00	Lakhs
Description of Work	Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
			L	B	D			
KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No.-142 I.No-19.1 of KPWD S.R 2016-17)								
New CC Drain	Cum							
CH : 00-175 1st Cross Road		2	175.00	1.10	1.00	385.00		
CH : 175-362 1st Cross Road		2	187.00	1.10	1.00	411.40		
CH : 362-427 Main Drain Connecting		1	65.00	1.10	1.00	71.50		
CH: 427-612 Sri Amba Juice & Condiments Beside		1	185.00	1.10	0.90	183.15		
New Kerb								
CH : 00-175 1st Cross Road		2	175.00	0.20	0.20	14.00		
CH : 175-362 1st Cross Road		2	187.00	0.20	0.20	14.96		
CH : 362-427 Main Drain Connecting		1	65.00	0.20	0.20	2.60		
Culvert		10	9.00	1.50	1.20	162.00		
						Total Qty	**1244.61**	**186.92**	**232642.60**
KSRB 4-1.3 : Providing and laying in position plain cement concrete cum of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (Page No. 12, It No. 4.3 of KPWD S.R 2016-17)								
New CC Drain	Cum							
CH : 00-175 1st Cross Road		2	175.00	1.10	0.15	57.75		
CH : 175-362 1st Cross Road		2	187.00	1.10	0.15	61.71		
CH : 362-427 Main Drain Connecting		1	65.00	1.10	0.15	10.73		
CH: 427-612 Sri Amba Juice & Condiments Beside		1	185.00	1.10	0.15	30.53		
New Kerb								
CH : 00-175 1st Cross Road		2	175.00	0.20	0.10	7.00		
CH : 175-362 1st Cross Road		2	187.00	0.20	0.10	7.48		
CH : 362-427 Main Drain Connecting		1	65.00	0.20	0.10	1.30		
Culvert		10	9.00	1.50	0.15	20.25		
						Total Qty	**196.74**	**5159.02**	**1014985.59**
KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2.(Page No.-15 I.No-4.31 of KPWD S.R 2016-17)								
Side Wall	Sqm							
New CC Drain								
CH : 00-175 1st Cross Road		2*4	175.00		0.90	1260.00		
CH : 175-362 1st Cross Road		2*4	187.00		0.90	1346.40		
CH : 362-427 Main Drain Connecting		1*4	65.00		0.90	234.00		
CH: 427-612 Sri Amba Juice & Condiments Beside		1*4	185.00		0.80	592.00		
Culvert		10*4	9.00		1.10	396.00		
						Total Qty	**3828.40**	**310.58**	**1189024.47**
KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per directions of the Engineer-in-charge. Specification No. KBS 4.6.3(Item no: 4.46.2, Page no: 17 of KPWD S.R 2016-17).								
Steel	Tonne							
For Drain One cubic mt 60kg		1	23.34			23.34		
For Culvert One cubic mt 75kg		1	4.22			4.22		
						Total Qty	**27.55**	**64243.42**	**1769906.22**

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
5	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mix concrete(RMC) for RCC works laid in 15 cms thick layers and well conpacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exlusive of cost of steel and fabrication charges) Ready mix concrete M-20 for raft foundation, coulmn and footing, main ans secondary beams.(Page No.-18 I.No-4.48 of KPWD S.R 2016-17)								
	New Drain	Cum							
	Bottom Slab								
	CH : 00-175 1st Cross Road		2*1	175.00	1.10	0.15	57.75		
	CH : 175-362 1st Cross Road		2*1	187.00	1.10	0.15	61.71		
	CH : 362-427 Main Drain Connecting		1*1	65.00	1.10	0.15	10.73		
	CH: 427-612 Sri Amba Juice & Condiments Beside		1*1	185.00	1.10	0.15	30.53		
	Culvert		10*1	9.00	1.50	0.15	20.25		
	Side Wall								
	CH : 00-175 1st Cross Road		2*2	175.00	0.15	0.80	84.00		
	CH : 175-362 1st Cross Road		2*2	187.00	0.15	0.80	89.76		
	CH : 362-427 Main Drain Connecting		1*2	65.00	0.15	0.80	15.60		
	CH: 427-612 Sri Amba Juice & Condiments Beside		1*2	185.00	0.15	0.70	38.85		
	Culvert		10*2	9.00	0.20	1.00	36.00		
						Total Qty	**445.17**	**6231.74**	**2774183.70**
6	Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per doiirections of the Enineer-in-charge. {Data Rate sheet enclosed}								
	New CC Drain	Sqm							
	CH : 00-175 1st Cross Road		2	175.00	0.90		315.00		
	CH : 175-362 1st Cross Road		2	187.00	0.90		336.60		
	CH : 362-427 Main Drain Connecting		1	65.00	0.90		58.50		
	CH: 427-612 Sri Amba Juice & Condiments Beside		1	185.00	0.90		166.50		
	Missing Cover Slab for Cross Road		2	58.00	0.90		104.40		
						Total Qty	**981.00**	**1873.00**	**1837413.00**
7	Providing and laying Pre Cast Drain Cover slabs of 250mm thickness including cost of all materials, labour, curing, transportation,loading, unloading etc.,complete as per the direction of Engineer - In- Charge. (Data Rate enclosed)								
	Culvert	Sqm	10	9.00	1.50		135.00		
						Total Qty	**135.00**	**4218.00**	**569430.00**
8	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (P.No.25, I.No.5.30 KPWD S.R 2016-17)								
	Kerb Stone	No.							
	CH : 00-175 1st Cross Road		2	175.00			778.00		
	CH : 175-362 1st Cross Road		2	187.00			832.00		
	CH : 362-427 Main Drain Connecting		1	65.00			145.00		
						Total Qty	**1755.00**	**331.78**	**582273.90**

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (P.No.182, I.No. 24.1 of KPWD SR 2016-17)								
	Kerb Stone								
	CH : 00-175 1st Cross Road	Sqm	2	175.00		0.55	192.50		
	CH : 175-362 1st Cross Road		2	187.00		0.55	205.70		
	CH : 362-427 Main Drain Connecting		1	65.00		0.55	35.75		
						Total Qty	433.95	63.60	27599.22
								Total Constrution cost	99,97,458.60
								Sub Total	99,97,458.60
								Miscellaneous & Rounding Off	2,541.40
								Grand Total	100,00,000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

Assistant Engineer
Ward 12
BBMP - Bangalore

Assistant Executive Engineer
Shettihalli
BBMP - Bangalore

Executive Engineer
Dasarahalli
BBMP - Bangalore

ನಂ. CE/TS/04/18-19 ದಿನಾಂಕ : 30/07/2018
ರೂ. 100.00 Lakh only/-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. EE/DD/AS/29/18-19 ದಿನಾಂಕ : 1.12.18
ರೂ. ₹. 100.00 Lakh only/-
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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